



Federal Ministry
of the Interior



The Federal Government's National Action Plan to implement the G8 Open Data Charter

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0 Context and framework

With the G8 Open Data Charter adopted at the G8 summit in Lough Erne in Northern Ireland in June 2013, all G8 members committed to providing broad access to government data in the spirit of “open data”.¹ The Open Data Charter defines the following principles:²

1. Open Data by Default – foster expectations that government data be published openly while continuing to safeguard privacy;
2. Quality and Quantity – release quality, timely and well described open data;
3. Usable by All – release as much data in as many open formats as possible;
4. Releasing Data for Improved Governance – share expertise and be transparent about data collection, standards and publishing processes;
5. Releasing Data for Innovation – consult with users and empower future generations of innovators.

Based on the efforts undertaken in the past at federal level and with the states in the IT Planning Council, the Federal Government has produced this National Action Plan to define measures for increasing access to government data.

This Action Plan takes into account the results in promoting open data and open government already achieved

- by the government programme “Transparent and Network-Based Administration” in the 17th legislative term,
- by the IT Planning Council’s programme “Promoting Open Government”,
- and by developing the prototype for the data portal GovData (<http://www.govdata.de/>) extending across all levels of government.

The Action Plan also takes into account the obligation undertaken by the governing parties in the coalition agreement, “Shaping Germany’s Future”, for the 18th legislative term:

“The federal administration and all its executive agencies must take the lead, on the basis of legislation, in providing open data in standard, machine-readable formats and under open licensing conditions. We want to provide an open data portal for the federal, state and local governments.”

¹ For a definition of open data, see the list of definitions on pages 2 and 3 of this Action Plan.

²Quoted from the 2013 Lough Erne G8 Leaders' Communique, pp. 11-12 (online at <https://www.gov.uk/government/publications/2013-lough-erne-g8-leaders-communique>)

This Action Plan describes the measures to implement in the direct federal administration the five principles from the G8 Open Data Charter listed above. The Action Plan is divided into various commitments which, in line with the Charter, are to be implemented by the end of 2015, setting national priorities in promoting open data. But the necessary process of change will not end there; on the contrary, it will continue beyond 2015, to be gradually implemented as financial and personnel resources allow. We will therefore add to the Action Plan for the period after 2015.

0.1 Open (government) data

Implementing the Open Data Charter in a national action plan requires a shared understanding of open (government) data.

In the following, the term “open (government) data” refers to existing collections of data usually released publicly in the form of raw data³ for re-use and further distribution. Open data (also as defined internationally) do not include protected or security-relevant data. And we are referring explicitly only to data of the direct federal administration. Of course, data may be released only within the legal boundaries. The relevant legislation includes the Federal Data Protection Act (BDSG), the Copyright Act (UrhG), the Federal Central Criminal Register Act (BZRG), the Act on the Re-Use of Public Sector Information (IWG) as well as the Act on Access to Geodata (GeoZG), the Environmental Information Act (UIG), the Consumer Information Act (VIG) and the Freedom of Information Act (IFG).

In contrast to the term “information”, we understand the term “data” to refer to pure facts, independent of significance, interpretation and context. Only when such data (or facts) are interpreted in a specific context do they become information.⁴ Unstructured information such as notes, files, studies, reports or other texts do not constitute data in this sense. The Freedom of Information Act, Environmental Information Act and Consumer Information Act cover access to this kind of information; the Federal Archives Act governs access to archival materials.

³³ The term “raw data” usually refers to data that have not been processed, adjusted or aggregated. Should aggregation or adjustment be required by law (for example, to anonymize personal data), the data are no longer raw in the narrower sense, but can only be published in this processed form.

⁴ See also the explanation to Section 12 (1) of the E-Government Act (EGovG).

As we understand it, the term “dataset” refers to an identifiable collection of related data,⁵ for example in the form of a table.

Data are machine-readable when they can be read and processed in automated fashion using software.⁶

0.2 Cooperation at national and international level

In order to advance all the measures in the Action Plan and provide the greatest possible benefit to individuals, businesses, academia and the research community, media and public administration, we are increasing cooperation among federal, state and local government in the area of open government. We want to work together at all levels to publish more and more government data. In doing so, we will have to pay attention to the open data strategies implemented in the states and in some local government portals, as well as the existing data catalogues, for example in the fields of geography and geology, environment or statistics.

Our aim is to continue at the national level to pursue exchanges with civil-society organizations. We will also continue the dialogue at international level, for example by participating in ongoing research projects to create a European open data infrastructure.

0.3 Challenges

In view of traditional administrative structures, attitudes and processes will have to change further to satisfy the principles of an open, transparent state. Time, resources and powers of persuasion are needed to convince staff in public administration of the benefits of open data and to overcome fears when releasing data, for example with regard to liability.

When publishing data in catalogues or search systems on the Internet, it is apparent that it is particularly difficult in Germany, with its many government offices at federal, state and local level, to ensure that the necessary metadata are available in the required quality and standardized formats. The quality of metadata is crucial to be able to find and use government data. It still takes too much time and money to release, describe and maintain data. So we must aim at reduc-

⁵ As in the definition of spatial dataset in Article 3 no. 3 of Directive 2007/2/EC on establishing an infrastructure for spatial information in the European Community (INSPIRE Directive).

⁶ See also Section 12 (1), second sentence of the E-Government Act.

ing these costs by using established standards and processes. This applies in particular to the geo-data infrastructures in Germany and Europe (GDI-DE and INSPIRE).⁷

⁷ On GDI-DE and INSPIRE, see also <http://www.gdi-de.org>

1 Commitment 1: Sending a clear signal in favour of open data in Germany

1.1 Voluntary commitment to publishing data

Our aim is to become a leader in providing open data. This Action Plan is our voluntary commitment to opening our data collections on the basis of internationally recognized principles of open data. The Open Data Charter is based on the principle of “open data by default”, but we will only be able to implement this principle step by step over the long term. We are aware that we cannot afford to implement the open data principles for all data generated in the past, so we are focusing above all on data collected and published from now on.

1.2 Legislation

To that end, we are seeking open data legislation which will make it a principle to publish government data with uniform metadata, in machine-readable formats and using open licences or other relevant instruments.

By amending the Act on Access to Geodata (GeoZG) in the 17th legislative term and issuing the Ordinance Setting the Terms of Use for the Provision of Federal Geodata (GeoNutzV), the Federal Government has already taken a significant step towards open government data, paving the way for further activities. Following this example, we will draft an ordinance based on the one for federal geodata (GeoNutzV) in accordance with Section 12 (2) of the E-Government Act to apply to as many government data as possible. To enable cross-border use of our data, this ordinance will also satisfy the requirements of the internationally recognized “open definition”.⁸ Regarding environmental information, Section 10 of the Environmental Information Act, Article 7 of Directive 2003/4/EC on public access to environmental information and Article 5 of the UN ECE Aarhus Convention already require the active dissemination of such information.

Even before such legislation enters into force, however, we will publish as much of our data as possible and allowed by law, following the assessment and determination of the federal ministries.

⁸ <http://opendefinition.org/od/deutsch/>

1.3 Study on the importance of the sale of data

In order to better evaluate the importance to the federal administration of the sale of data, we will conduct a study of this issue, if desired also together with the states. This study will focus firstly on estimating the possible annual revenue from data sales, broken down by ministries and taking into account the relevant basis (legal or otherwise), and secondly on estimating the expenses arising from billing, dunning and the drafting of contracts.

1.4 Federal and ministerial coordinators for the publication of government data

The Federal Ministry of the Interior will assume overall coordination of the provision of federal administration data in the federal/state portal GovData and of additional open data activities in the federal administration. In addition, by the end of the third quarter of 2014, all the federal ministries will designate open data contact persons responsible for coordinating the provision of data in their ministry and executive agencies.

1.5 Guide to open data issues in the context of IT systems procurement

To ensure that data can be provided efficiently and in automated fashion in the medium to long term, we will draft a guide showing how to take the publication of data into account when issuing calls for tender and developing IT systems.

2 Commitment 2: Publishing datasets

The federal administration already publishes a wide variety of data, often under open terms of use and in machine-readable formats. However, there is much more additional data which are likely of great interest, so we are striving to publish more data in accordance with the Open Data Charter.

2.1 Publishing key datasets

We intend to improve the usability of the datasets listed in Annex A, which in principle are already published and agreed with the G8 states, in line with the conditions indicated by the end of 2015.

2.2 Publishing additional datasets

We also plan to publish the datasets listed in Annex B in the form indicated by the end of 2015.

2.3 Publication of at least two datasets from each authority

We aim to make at least two datasets from each supreme, higher and intermediate federal authority available on GovData by the end of the first quarter of 2015.

3 Commitment 3: Publishing the data on a national portal

3.1 GovData as the central open data portal for federal, state and local government

The Federal Government supports GovData as an application of the IT Planning Council and advocates creating an office to coordinate the portal across the different levels of government. We will also promote the state and local use of the portal in order to offer civil society, business and the research community a data catalogue that is as comprehensive as possible.

With this in mind, data from the federal administration will be released via GovData in line with the previous two commitments. The data will remain the responsibility of the authorities storing them on their own local platforms.

3.2 Standardizing a metadata structure for open data

In order to make the published data easy to find, we are working with the state and local governments on the IT Planning Council's standardization agenda to standardize the metadata structure for open data. One task is promoting the semantic interoperability of metadata, for example using standard thesauri, thereby improving the quality of metadata in an efficient way. The metadata structure will build on existing and recognized standards to avoid unnecessary efforts and duplication in public administration.

4 Commitment 4: Consultation, engagement and experience-sharing

4.1 Close involvement of data users

Publishing government data should not be an end in itself. We therefore seek a regular dialogue with civil society, business, media and the research community in particular.

4.2 Encouraging state and local commitment to the G8 Open Data Charter

To make the most of the available potential, the federal, state and local governments must move ahead together. We are therefore encouraging the state and local governments to commit to the five principles of the G8 Open Data Charter.

4.3 Publishing relevant and valuable data for the development of innovative services

We want to publish data which are valuable for developing innovative services which are useful to the general public. We will therefore work with users to identify such valuable data in the following areas and give priority to publishing these data:

- transport and mobility
- renewable energy sources
- climate change
- demographic change
- (network) infrastructure
- public revenues and expenditures

4.4 Identifying demand

In order to gain an overview of demand for specific data, we are working to enable civil society, business, media, the research community and other target groups to describe their needs using the GovData portal. We will pay attention to their input when prioritizing the release of data. If it is not possible to publish requested datasets, we will say so and explain why.

4.5 Developer days and open data contests

We want to organize and/or support developer days and contests on specific topics with active participation by the relevant stakeholders in civil society, business, media, the research community, etc. in order to support the long-term use of government data.

4.6 Public–community partnership to promote open government data

We will build on existing cooperation between public administration and civil society in the form of a public–community partnership to promote open government data. Joint workshops, conferences, etc. with participation from business and the research community will serve to present new services, share experience and further develop the topic in the federal administration.

4.7 Communication in Web 2.0

We will communicate and discuss new developments, processes and proposed decisions regularly and transparently, for example using the GovData blog. In this framework we will work to expand GovData into a central communications and information source for open data. We will pay special attention to GovData’s accessibility for people with a disability.

4.8 International cooperation

In order to simplify cross-border use of the data, we will pay attention to international developments and recommendations, for example concerning metadata and data structures. We will continue to participate in the discussion of building a European open data infrastructure and will ensure that GovData, its interfaces and metadata structure are compatible with such infrastructure.

Annex A Key datasets to be published

Area	Name	URL	Current availability	Planned availability	Further information
Budget & finance	Federal budget	http://www.bundeshaushalt-info.de/download.html http://www.bundesfinanzministerium.de/bundeshaushalt2013/html/index.html	XLS, PDF (both formats available for all budgets since 2012), CSV, XML (both formats for budgets since 2014), free to re-use, via GovData	-	
Budget & finance	Federal budget and assets accounting	http://www.bundesfinanzministerium.de/Web/DE/Themen/Oeffentliche_Finzen/Bundeshaushalt/Haushalts_und_Vermögensrechnungen_des_Bundes/haushalts_vermoegensrechnungen_des_bundes.html	PDF, free to re-use	after 10/2015: CSV, XML (free to re-use), via GovData	
Geodata	Federal geodata	http://www.geoportal.de http://www.geodatenzentrum.de/geodaten/gdz_rahmen.gdz_div?gdz_spr=deu&gdz_akt_zeile=5&gdz_anz_zeile=0&gdz_user_id=0	All federal geodata: via the geodata catalogue, geodata of the Federal Agency for Cartography and Geodesy available also via GovData, free to re-use	after 12/2014: all data of the geodata catalogue will also be available via GovData	
Elections	Bundestag elections: election results	http://www.bundeswahlleiter.de/bundestagswahlen/BTW_BUND_13/veroeffentlichungen/ergebnisse/kerger.csv http://www.bundeswahlleiter.de/bundestagswahlen/BTW_BUND_13/veroeffentlichungen/BTW2013_Heft3.pdf	CSV, PDF, final result of first and second votes sorted by constituency (starting with the 2013 Bundestag elections), via GovData, free to re-use	-	

Area	Name	URL	Current availability	Planned availability	Further information
Elections	Bundestag elections: (elected and non-elected) candidates	http://www.bundeswahlleiter.de/bundestagswahlen/BTW_BUND_13/ergebnisse/gewaeahlte/http://www.bundeswahlleiter.de/de/bundestagswahlen/ http://www.bundeswahlleiter.de/bundestagswahlen/BTW_BUND_13/veroeffentlichungen/ergebnisse/arbt4.pdf	HTML, PDF, elected candidates sorted alphabetically / by state list / constituency / party; free to re-use	after 03/2015: via GovData	For reasons of data protection, personal data of candidates and Members of the German Bundestag may not be published on the Internet. Personal data of non-elected candidates must be deleted within six weeks of the publication of the final results. Data of elected candidates must be deleted within six months of the end of the legislative term.
Elections	Bundestag elections: further election statistics sorted by demographic and other criteria	https://www-genesis.destatis.de/genesis/online/link/tabelleErgebnis/14121-0003 https://www-genesis.destatis.de/genesis/online/link/tabelleErgebnis/14121-0006	XLS, CSV, HTML, PDF, free to re-use, via GovData	-	
Elections	Bundestag elections: Geodata on the geographical location of constituencies	http://www.bundeswahlleiter.de/bundestagswahlen/BTW_BUND_13/wahlkreiseinteilung/kartographische_darstellung.html	SHP, for the 2009 and 2013 Bundestag elections, free to re-use	after 03/2015: via GovData	
Statistics	Federal statistical data	https://www-genesis.destatis.de/genesis/online https://www.regionalstatistik.de/genesis/online	<ul style="list-style-type: none"> - detail level: regions (NUTS 2, or NUTS 3), some collective municipalities (LAU 1) - Statistical data not provided by these portals cannot be found via GovData at this point 	12/2015: further statistical data via GovData	

Annex B Additional datasets to be published

Ministry / authority	Name	URL	Current availability	Planned availability	Further information
Federal Foreign Office	List of country names for official use in the Federal Republic of Germany	http://www.auswaertiges-amt.de/cae/servlet/contentblob/332368/publicationFile/188456/Staatennamen.pdf	PDF	after 10/2014: CSV after 12/2014: open licence, via GovData	
Federal Foreign Office	German official titles in four languages (German, English, French, Spanish)	http://www.auswaertiges-amt.de/cae/servlet/contentblob/373542/publicationFile/172452/Funktionsbezeichnungen.pdf	PDF	after 10/2014: CSV after 12/2014: open licence, via GovData	
Federal Government Commissioner for Culture and the Media / German Digital Library	German Digital Library	https://www.deutsche-digitale-bibliothek.de/	web-based access, API*, free to re-use	after 12/2014: via GovData	
Federal Government Commissioner for Culture and the Media / Federal Archives	<i>Invenio</i> research application	https://invenio.bundesarchiv.de	web-based access	after 01/2015: via GovData, API, XML-EAD	
Federal Ministry of Labour and Social Affairs	Social budget	http://www.bmas.de/DE/Service/Publikationen/a230-13-sozialbudget-2013.html	PDF	after 12/2015: XLS, CSV, open licence, via GovData	
Federal Ministry of Labour and Social Affairs	Early intervention information centres	http://www.bmas.de/DE/Service/Publikationen/c751-einrichtungen-und-stellen-der-fruehfoerderung.html	CD ROM	after 01/2015: machine-readable, open format, downloadable; open licence, via GovData	
Federal Ministry of Education and Research	Data portal of the Federal Ministry of Education and Research	http://www.datenportal.bmbf.de	XLS, HTML, PDF, diagrams	after 03/2015: open licence, via GovData after 12/2015: CSV	

Ministry / authority	Name	URL	Current availability	Planned availability	Further information
Federal Ministry of Food and Agriculture / Federal Office for Agriculture and Food	Register of agricultural organizations	-	(not yet published)	after 09/2014: list / map display (geographical location of the organizations) after 01/2015: XML (all data according to AgrarMSV (regulation on the further development of agricultural market structures)) after 03/2015: via GovData	
Federal Ministry of Food and Agriculture / Federal Office for Agriculture and Food	Natural forest reserves (part of the National Inventory of Forest Genetic Resources, FGRDEU data base)	http://fgrdeu.genres.de/ http://gdi.bmel.de/map/naturwaldreservate?SERVICE=WFS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=Naturwaldreservate_Deutschland&MAXFEATURES=16	WFS/GML, free to re-use	after 12/2015: via GovData (via geodatenkatalog.de)	
Federal Ministry of Food and Agriculture / Federal Office for Agriculture and Food	Poultry breeds in Germany (part of the National Inventory of Animal Genetic Resources, TGRDEU data base)	http://tgrdeu.genres.de/ http://gdi.bmel.de/map/gefluegel_2013?SERVICE=WFS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=Anz_Enten_je100qkm_1.OV_m_Entenzuechtern,Anz_Zuchten_Enten_DG&MAXFEATURES=828	WFS/GML, free to re-use	after 12/2015: via GovData (via geodatenkatalog.de)	
Federal Ministry for Family Affairs, Senior Citizens, Women and Youth / Federal Anti-Discrimination Agency	Data base of advisory services (provided by the Federal Anti-Discrimination Agency)	http://www.antidiskriminierungsstelle-datenbanken.de/Subsite_ADSDB/DE/01_ADB/ADB_node.html	web-based access	after 06/2015: open licence, via GovData	
Federal Ministry of the Interior / Federal Criminal Police Office	Police Crime Statistics	http://www.bka.de/DE/Publikationen/PolizeilicheKriminalstatistik/pks_node.html?nn=true	PDF, Excel, upon request: XML and CSV Federal level, upon request: more detailed levels	after 06/2015: via GovData after 12/2015: levels: federal states, cities with a population of more than 100,000, districts; probably available as CSV	

Ministry / authority	Name	URL	Current availability	Planned availability	Further information
Federal Ministry of the Interior / Federal Office of Administration	Federal address directory	http://www.bund.de/SharedDocs/PDF/AnschriftenverzeichnisPDF.pdf?__blob=publicationFile	PDF	after 12/2014: XLS, CSV, open licence, via GovData	
Federal Ministry of the Interior / Federal Office of Administration	List of abbreviations	http://www.bund.de/SharedDocs/PDF/Abkuerzungsverzeichnis-des-Bundes.pdf?__blob=publicationFile	PDF	after 03/2015: CSV, open licence, via GovData	
Federal Ministry of the Interior / Federal Statistical Office	WebSKM	https://www-skm.destatis.de/	web-based access	after 12/2015: API, via GovData	The data base provides a comprehensive overview of administrative burdens
Federal Ministry of the Interior / Federal Statistical Office	List of all German municipalities, list of all German districts	https://www.destatis.de/DE/ZahlenFakten/LaenderRegionen/Regionales/Gemeindeverzeichnis/Administrativ/Archiv/GV100ADQ/GV100AD2QAktuell.html https://www.destatis.de/DE/ZahlenFakten/LaenderRegionen/Regionales/Gemeindeverzeichnis/Administrativ/Aktuell/04Kreise.html	XLS, ASCII, free to re-use	after 03/2015: via GovData	
Federal Ministry of Justice and Consumer Protection / Federal Office of Justice	Federal legislation	http://www.gesetze-im-internet.de	HTML, PDF, XML, EPUB, free to re-use, via GovData	-	
Federal Ministry of Justice and Consumer Protection / Federal Office of Justice	Federal administrative regulations	http://www.verwaltungsvorschriften-im-internet.de	HTML, PDF, XML, EPUB, free to re-use, via GovData	-	

Ministry / authority	Name	URL	Current availability	Planned availability	Further information
Federal Ministry of Justice and Consumer Protection / German Patent and Trade Mark Office	Statistics on property rights (patents, utility models, trademarks and registered designs)	http://presse.dpma.de/presseservice/datenzahlenfakten/statistiken/aufeinenblick/index.html	PDF	after 09/2015: via GovData, XLS	
Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety / Federal Agency for Nature Conservation	Protected areas in Germany	http://www.bfn.de/0503_karten.html http://geodienste.bfn.de/wfs/schutzgebiete	WMS, WFS/GML, SHP, free to re-use	after 01/2015: via GovData	Due to technical changes and the resulting adjustments, it is currently not possible to fully use and document this service.
Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety / Federal Office for Radiation Protection	<i>Integrated Measuring and Information System (IMIS):</i> Values measured to monitor environmental radioactivity in various environmental media	http://www.bfs.de/de/ion/imis/uebersicht.html http://www.imis.bfs.de/cgi-public/wms_geoportal?REQUEST=GetCapabilities&SERVICE=WMS&VERSION=1.3.0	WMS	after 12/2015: open licence, via GovData	For reasons of data protection, it is currently not possible to download this content
Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety / Federal Office for Radiation Protection	Local gamma dose rate: daily average values measured at the monitoring sites	http://odlinfo.bfs.de/download.php	WMS, CSV	after 06/2015: WFS, open licence after 12/2015: via GovData	
Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety / Federal Office for Radiation Protection	<i>Schauinsland</i> monitoring station: air quality monitoring results	http://www.bfs.de/de/ion/imis/luftueberwachung.html	Time-series (graphics), upon request: TXT	after 12/2015: CSV, WFS, open licence, via GovData	
Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety / Federal Office for Radiation Protection	<i>Schauinsland</i> monitoring station: trace analysis results	http://www.bfs.de/de/ion/imis/spurenmessungen.html	Time-series (graphics), upon request: XLS	after 12/2015: CSV, WFS, open licence, via GovData	

Ministry / authority	Name	URL	Current availability	Planned availability	Further information
Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety / Federal Environment Agency	<i>Pollutant Release and Transfer Register (PRTR) / thru.de</i>	http://www.thru.de/thru.de/downloads/	SQLite database, free to re-use	after 01/2015: via GovData	
Federal Ministry of Transport and Digital Infrastructure / German Meteorological Service	Basic meteorological services	http://www.dwd.de/bvbw/apmanager/bvbw/dwdwwwDesktop?nfpb=true&pageLabel=dwdwww_klima_umwelt_klimadaten_deutschland&T17401010631149671087318gsbDocumentPath=Content%2FOeffentlichkeit%2FKU%2FKU1%2FKU12%2FKlimadaten%2FWESTE-XL%2FStartpage.html	XML, CSV, XLS, free to re-use*	after 03/2015: via GovData	Basic meteorological services include: observation and forecast data collected by 80 stations all over Germany, climate data, radar data from Germany, forecasts for selected weather elements (forecast period: up to 72 hours), and selected special services
Federal Ministry of Transport and Digital Infrastructure / Federal Railway Authority	Environmental noise map	http://www.eba.bund.de/DE/HauptNavi/Finanzierung/Umgebungslaermkartierung/laermkartierung_node.html	PDF, free to re-use	after 12/2014: WMS/WMTS, CSW, WFS (in some cases), open licence, via GovData	

Ministry / authority	Name	URL	Current availability	Planned availability	Further information
Federal Ministry for Economic Affairs and Energy / Federal Institute for Geosciences and Natural Resources	Mineral resources in the Federal Republic of Germany 1:1,000,000 (BSK1000)	http://www.bgr.de/atomfeeds/dataset_7CE98053-1E22-467B-8E72-F83FCB4F6B50.xml	PDF, JPG, TIFF, ESRI-Shape WMS, free to re-use	after 12/2015: via GovData (via geodatenkatalog.de)	The Map of Mineral Resources in the Federal Republic of Germany 1:1,000,000 (BSK1000) provides basic information on the geographical distribution of energy resources and mineral resources (stone and earths, industrial minerals and ores) in Germany.
Federal Ministry for Economic Affairs and Energy / Federal Institute for Geosciences and Natural Resources	Soil Map of the Federal Republic of Germany 1:1,000,000 (BUEK1000DE)	http://www.bgr.de/atomfeeds/dataset_d3401588-d0de-41ca-8b25-28768b043067.xml	PDF, JPG, TIFF, ESRI-Shape WMS, free to re-use	after 12/2015: via GovData (via geodatenkatalog.de)	BUEK1000DE shows the geographical distribution of soils and their association patterns in Germany in standardized form at the aggregation level of the benchmark soil associations.

Ministry / authority	Name	URL	Current availability	Planned availability	Further information
Federal Ministry for Economic Affairs and Energy / Federal Institute for Geosciences and Natural Resources	Geological Map of the Federal Republic of Germany 1:1,000,000 (GK1000)	http://www.bgr.de/atomfeeds/dataset_FD5DD44F-0217-4FBF-A307-E27B01DFBE0F.xml	PDF, JPG, TIFF, ESRI-Shape WMS, free to re-use	after 12/2015: via GovData (via geodatenkatalog.de)	The Geological Map 1:1,000,000 (GK1000) shows the geology of Germany and its adjacent areas in a detailed, yet clear way on one map sheet.
Federal Ministry for Economic Affairs and Energy / Federal Network Agency	List of existing power plants in Germany with a net nominal output of at least 10 MW and plant capacity from Luxembourg, Switzerland and Austria that is fed into the German grid	http://www.bundesnetzagentur.de/cln_1431/DE/Sachgebiete/ElektrizitaetundGas/Unternehmen_Institutionen/Versorgungssicherheit/Erzeugungskapazitaeten/Kraftwerksliste/kraftwerksliste-node.html	XLS	after 03/2015: CSV, open licence, via GovData	
Federal Ministry for Economic Cooperation and Development	Data on development cooperation: Reports submitted by Germany to the <i>International Aid Transparency Initiative</i> (IATI)	http://www.bmz.de/transparenz	Visualization of data at BMZ.de, XML, XLS (depending on the data), free to re-use	gradual increase in the amount of data after 12/2014: via GovData	

